

**ABSTRACT OF THE DISCLOSURE**

A process for the detection of polymorphic or pseudopolymorphic forms of solid, molecular and crystallizing compounds, or of molecular, cocrystalline compounds or of solid solutions which consist of at least two solid, molecular and crystallizing compounds, in a series investigation using an apparatus for parallel investigations in vessels of an array under different conditions in each vessel, in which substantially only the amorphous form of the crystallizing compound, a solvate of the crystallizing compound or substantially only the amorphous form or a solvate of a compound in a mixture of at least two compounds is used as a suspension or solution, the solutions of amorphous compound having, at the same temperature, a higher content of crystallizable compounds than is achievable with a corresponding crystalline compound.